CONTENTS

Changing Concepts of Educational Evaluation 1
RALPH W. TYLER

Aspiration, Motivation and Achievement: Different Methods of Analysis and Different Results 115
JOHN P. KEEVES (GUEST EDITOR)

School Health Education Evaluation 245
DAVID B. CONNELL, RALPH R. TURNER, ELAINE F. MASON and LARRY K. OLSEN

Assessing Moral Development 347
R. MURRAY THOMAS

SUBJECT INDEX

Ability 121
  assets 47
  grouping 49
Abt Associates Inc. 250, 257
Academic learning time 122
Academic motivation 122, 152, 205, 220, 233
Accomplishments 47
Achievement
  canonical correlation analysis 164
  classroom differences 206
  motivation theory 134, 136
  performance cycle 117, 143
Achievement tests 13, 388
  construction 22
  mathematics 232
  moral values 419
  performance cycle model 151
  science 231
Active learning time 122
Activities, liking for 84
Activity schools 61
Affect in moral development 354, 407–413
Affective consequences of motivation 124
Affective learning evaluation 79
Anecdotal confirmation 453
Anecdotes 378, 382
Anxiety and achievement 124
Appreciation 37, 81
  assessment 88
Appropriate learning tasks, selection 57
Appropriate objectives 55
Aptitude 121, 145
Assessment of achievement of large populations 91
Assessment defined 350
Assessment of educational potential 45
Assessment techniques
  implications of definitions for selecting 367
  individual interviews 377
  written tests 386
Asset analysis 102
Assets for learning 47
Assumptions, foundational 356
Atkinson, J. W. 135
Attentiveness 122
  mathematics achievement 161
  measures 153, 237, 241
Attitude 145
  assessment 84
  canonical correlation analysis 164
  health education 288, 321
  learning 80
  measures 151
  scales 232
  sex differences 125
Attributions 405
Authoritarian versus liberal child-rearing 438

Behaviour to be appraised 36, 39
Behaviour, evoking 38
Biometric measure 475
Blood pressure control 263
Bloom's model of learning 130
Bruner, J. S. 133

Canonical correlation analysis, performance cycle causal path model 164, 175, 187
Career planning 46
Caring 364
Carroll model of learning 120, 130
Causal attribution theory, achievement motivation 136
Causal path model, performance cycle 148
  analysis procedures 118
  canonical correlation analysis 164
  factoral modeling 181
  linear structural relations analysis 173
  partial least squares analysis 189
  regression analysis 160
Causal relations
  descriptive/explanatory 351, 374, 393–406
  prescriptive/principles 351, 374
Chicago Heart Health Curriculum program 259
Children's Apperception Test 408
Classroom group, characteristics and achievement 205
Classroom performance cycle model 211
Classrooms, testing for significant differences 206, 219
Clinical method 377, 385
Community education and wealth 281
Comprehend 107
Comprehensibility, measure of 72
Computation 29, 107
Concepts 373, 375
Concurrent validity 359
Conditioning 15
Conscious 352, 423
Consistence, moral 355, 361, 453, 466
  across time 457
  of thought and action 453
Constructive habits 47

Construct validity 358
Content-referenced tests 49
Content validity 358
Context, input, process and product model, health education evaluation 265, 327
Continuous monitoring of education programs 65
Controlled experiment 404
Correlation 400
Costs, health instruction programs 333, 343
Criterion-referenced tests 49
Critical-life-incident inquiry 432
Cross-cultural studies 368
Cultural relativism 364, 368
Cumulative learning model 133

Defining Issues Test 356, 386
Deliberative reasoning 375
Developmental history 396

Economic changes influencing educational evaluation 11
Educability 13
Ego 423
Ego controls 431
Ego-defense 426
Emotions 354, 407
Environmental influences, moral development 386, 435–452
Environment and productivity 100
Environment and test scores 13
Equality of educational opportunity 12, 33
Equivalence, coefficient of 357
Ethics 364
Evaluation defined 350
Evaluation instruments, development 35
Expectations and achievement 124
Experience of causality 137
Experiments 404, 456
Extreme children 50

Face validity 358
Factoral modeling 159
  performance modeling, causal path model 181
Facts 373, 389
Fairness 363
Father's occupation 119, 208, 234
Feasibility 361
Feedback 58
Foreign language, opportunity to use 54
Formal Discipline 54

Gagné, R. M. 133
Generalizations 373
Glaser, R. 134
Goals, planning education and career 46
Grade equivalent score 29
Group attitudes and motivation 125
Grouping 49
  achievement 205

Handicapped children 50
Health education in schools 247
  costs 253, 333
  costs/effects 343
  evaluation measures 265
  evaluation sample 277
  factors influencing program success 327
  parent- and teacher-reported program products 321
  participating school programs 257
  program effects upon students 287
  training 333
Health Education Curriculum Guide 251, 259, 261
  costs 339
  evaluation sample 280
  parent- and teacher-reported program products 321
  student inventory analyses 293, 313
Heredity 395
Holland Student Profile 47
Home environment, behaviour and learning 34
Homework 130
Human resource development 99

Identification 425
Implementation of new programs 61
Individualistic relativism 364
Individual learner 132
Information, instrument construction 35
Information-processing theories 351, 427
Inservice training, health education 284, 333
Instructional model, Glaser 134
Instruments
  checking validity, objectivity, reliability and practicability 41
  construction 35
Intelligence tests 13, 45
Interests 37
  assessment 82
  education planning 46
  learning 80
  mathematics and science 233
Interviews 377–386, 416, 445, 454
Intrinsic motivation 133, 137
Israel, Educational Reform Act 1968 61

Justice 363
Justificatory reasoning 376

Knowledge, definition 36
Know Your Body 259

Lahaderne, H. M. 144, 148
Learned behaviour, test 37
Learning
  affective 79
  conditioning 15
  Carroll model 120

motivation 117
outcomes and motivation 138
outside the classroom 34
reporting results 106
Learning plan, evaluation 55
Learning tasks, selection 57
Learning theories 215
motivation 129
role of model building in research 217
Learning time 122, 130
Life Adjustment Inventory 418
Linear structural relations analysis 159
performance cycle, causal path model 173, 186, 193
Literature appreciation 83, 89
Lying 382

Mastery learning model 130
Mathematics
achievement tests 232
attentiveness 238
attitudes 145, 233
performance cycle 161, 168
Maturity 83
Meaningful learning 139
Mental processes 352, 375, 423
Model building 217
Moral 363
definitions 365, 368
Moral atmosphere 439
Moral consistency 453
Moral development
affect in 407
assessment methods 349
defined 349, 363
determinants 393
future directions 461
real-life and simulated environments 435
theory 350, 429
Moral dilemmas 378–386
Moral education 349
Moral Judgement Interview 356, 387
Moral values, direction and strength 415–421
Motion pictures 449
Motivation and learning 16, 57, 117
academic 122, 205, 220, 233
active learning time 122
canonical correlation analysis 170
Carroll model 120, 130
theories 129, 132, 135, 138
Multiple response test 28, 71
Multivariate analysis, performance cycle model 159

National assessment 26, 91, 112
National Center for Health education 257

Objective attitudes 85
Objective-referenced tests 49
Objectives, appraisal 53
Objectives of education 14
Objectivity of a test 71
Objectivity of instruments 42
Observation 456
Opportunity 33, 130
Organization, writing test 72, 76
Outcome evaluation 63

Paper-and-pencil tests 28
Parents
health programs 253, 271, 321
reports for 108
Path analysis 118, 159, 189, 401
Peer group influences 18
Perceptual attention 428
Performance cycle 117, 143
antecedent conditions 144
causal path model 148, 159, 218
classroom level 210
Performance and opportunity 25
Perseverence 121, 130
Personal causation 137
Personal Values Inventory 418
Personality Rating Scale 418
Pictorial materials 420
Picture-story tests 408
Plausibility 39
Potential assessment 45
Practicability of instruments 43
Practice 58
Predicting potential 45
Predictive validity 360
Predisposition toward learning 132
Prescriptive causal relations 374, 375
Principled reasoning 430
Production tests 387
Programs
development 60
evaluation 53
implementation 61
outcomes 63
planning, human resource development 99
Projective techniques 407
Project Prevention 251, 259, 262
evaluation sample 280
parent- and teacher-reported program products 321
student inventory analysis 300
training, costs 335
Psychoanalytic inquiry 423
Psychometric analysis, student inventory, health programs 275
Punishment 383

Quality of instruction 130

Reading comprehension 36
Reading interests 83

Reading, 'Riting, 'Rithmetic and High Blood Pressure 251, 259, 262
costs 338
evaluation sample 280
parent- and teacher-reported program products 321
student inventory analyses 307
training 336
Realism 435, 440
Reasoned argument 399
Reasoning, principled 430
Recognition tests 386
Regression analysis
classroom and science achievement 206
performance cycle, causal path model 160
Relevant concepts 39
Reliability 42, 355, 357
Reports 105
for national agencies 111
for school districts 110
for school principals 109
for teachers and parents 108
Representativeness 25
Reward for learning 58
Risk-taking model 135
Rokeach Value Survey 418
Role playing 450
Rorschach Test 408
Rules 363, 384

Sampling errors 119
Scholastic Aptitude Test 22
School Health Curriculum Project 250, 251, 258, 261
costs 333
evaluation sample 278
parent- and teacher-reported program products 321
student inventory analyses 288, 314
training 333
School health education 245–345
Schooling, changing conceptions 17
School learning
causal model 118
towards a theory 215
Science
achievement, classroom differences 206
achievement tests 231
attentiveness 238
attitudes 233
performance cycle 162, 169
Scoring 21, 24, 39
Self-directed learning 16
Self-esteem 123, 146, 233
Self-reinforcement 136
Semantic-differential measures 411
Sentence-completion tests 409
Sequential practice 58
Service industries, employment 11
Sex differences
attitudes and achievement 147
motivation 124
performance cycle model 149
Simulated moral incidents 446
Slow learners 131
Smoking, health education programs 291
Social convention 363
Social influences, health education 267, 328, 330
Social-learning theory 351, 427
Social relativism 364, 368
Societal changes influences education evaluation 11
Sociodrama 450
Sociomoral Reflection Measure 387
Sorting tests, writing assessment 69
Spontaneity 476
Stability, coefficient of 357, 361
Stages of development 366, 380
Stories 410, 446
Strategies defined 423
Student correlation matrix 243
Student inventory, health program 271
program effects 288
program-specific knowledge scores 274
psychometric analysis 275
scale construction 273
Study of Values 418
Supernatural intervention 398

Tale-telling 381
Teacher training, costs 333
Teacher usage of time 155
Teachers expectations 124
Teachers, health education programs 270, 282, 321
Technology and educational evaluation 17
Testing, basic concepts 70
Tests
academic achievement 389, 419
completion 390, 420
construction 21, 24
essay 391, 420
matching 390
multiple-choice 389, 419
objectivity 71
precision 73
production 387
recognition 386
reliability 73
sentence-completion 409
short-answer 391, 420
sorting and selecting personnel 12
theory 21
true–false 389, 419
validity 71
written 386
Thematic Apperception Test 408
Thinking skills 36
Thought-action 453
Time and learning 121, 130
Time, teacher usage 155
Training programs 100
Transfer of learned behaviour 59

Twin studies 403
Tyler, R. 3

Unconscious 352, 354, 423
United States, school health education 245–345
Unskilled labour 11

Validity 41, 71
  types of 355, 357
Values 80
  assessment 86
  defined 37, 374, 415
  direction and strength 415–421
  tests and inventories 417
Videotapes 444, 449
Vocabulary 69, 72
Vocational guidance 33

Washington University Sentence Completion Test 409
Willpower 397
Writing skills 28
Written composition evaluation 69
Written tests 386